

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E30320

Employer : Avista Corporation

Worksite : Avista Corporation

Street : 1411 E Mission Ave

Jurisdiction : City of Spokane

Survey Date : 10/20/2015

Survey Type : Online

Response Rate : 73%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 84.4%

Reported Total Employees at Worksite: 923

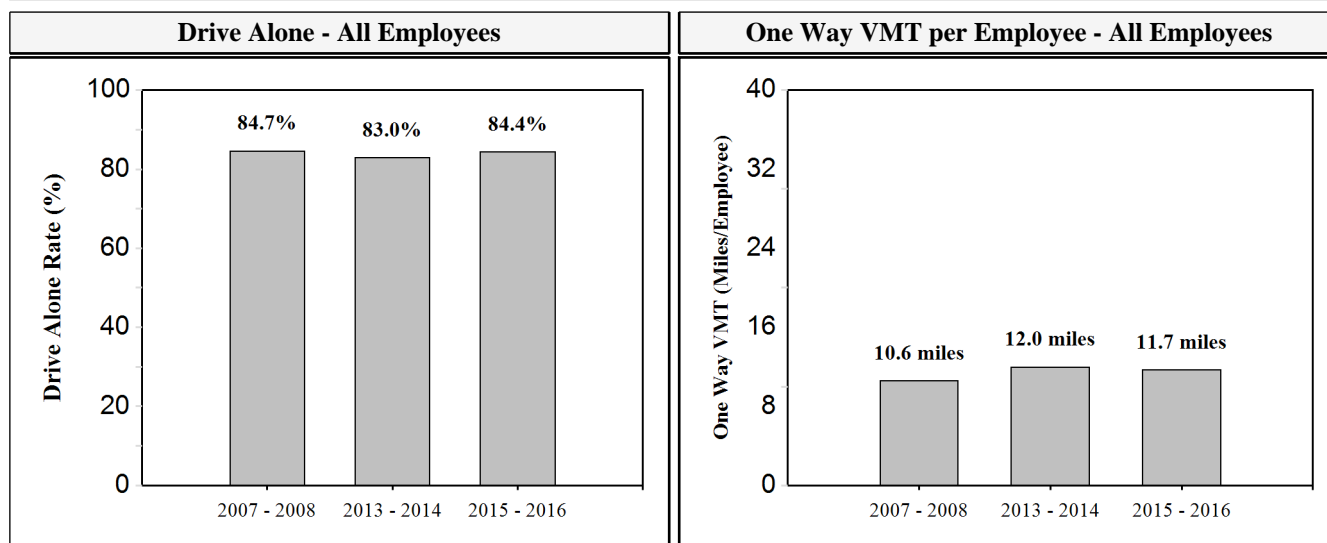
Surveys Distributed : 923

One-Way VMT per employee : 11.7

Surveys Returned : 671

Surveys Returned by CTR Affected Employees : 641

Total Estimated CTR - Affected Employees at Worksite : 882



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	84.7%	84.7%	10.6	10.5
2009 - 2010	76.2%	76.4%	10.1	10.0
2011 - 2012	81.6%	82.6%	10.2	10.4
2013 - 2014	83.0%	83.5%	12.0	11.9
2015 - 2016	84.4%	84.8%	11.7	11.8
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	-0.4%	0.1%	10.4%	12.4%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2015 - 2016
Drive Alone - All Employees*	84.7%	83.0%	84.4%
Drive Alone - CTR Affected Employees*	84.7%	83.5%	84.8%
VMT/Employee - All Employees	10.6	12.0	11.7
VMT/Employee - CTR Affected Employees	10.5	11.9	11.8

* Drive alone rate includes one person motorcycles.

Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	1,470	1,834	1,569
Estimated Emissions for Total Employment	1,626	2,392	2,158

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	21,120	16,825	23,109
Bus Annual Passenger Miles - Surveyed Employees	19,100	12,900	16,800
Ferry Annual Passenger Miles - Estimated for Total Employment	0	0	0
Ferry Annual Passenger Miles - Surveyed Employees	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	8,514	783	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	7,700	600	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

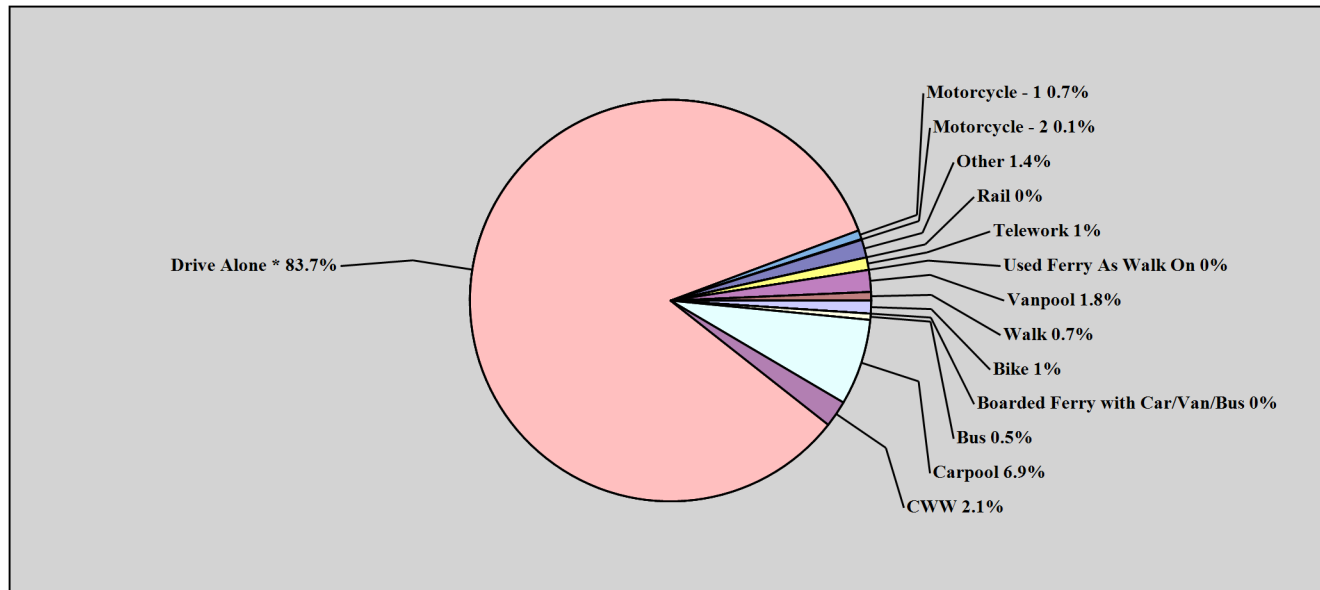
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 13.4 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



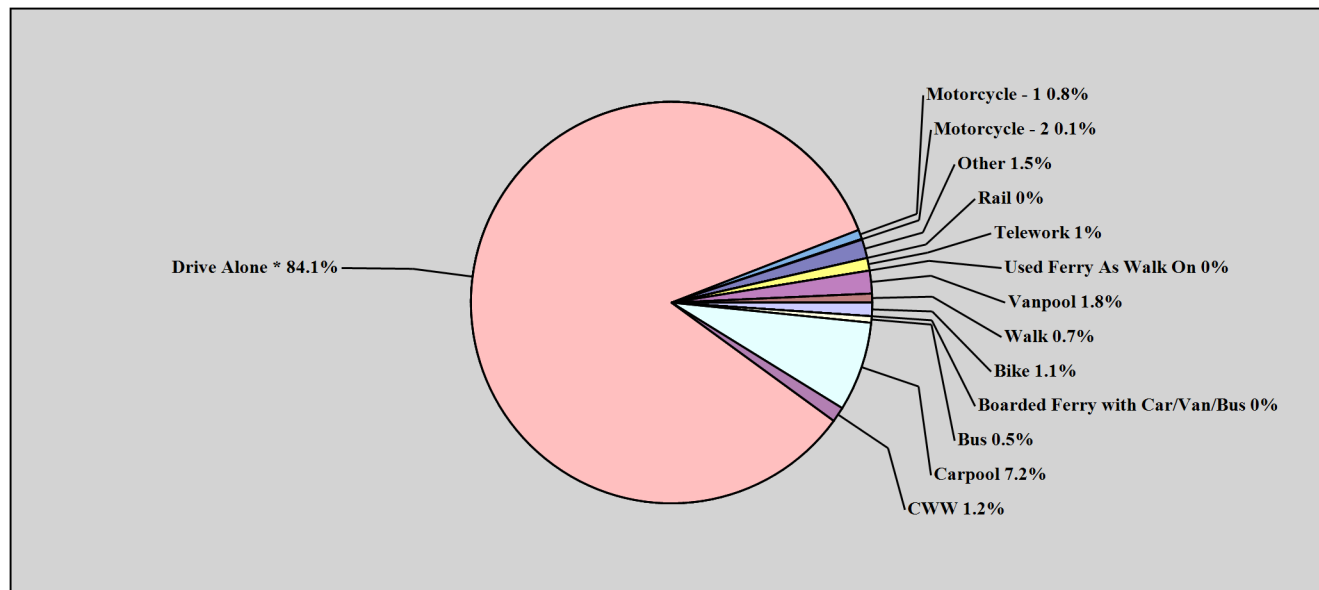
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,666	83.7%	82.0%	595	88.7%	88.4%
Carpool	221	6.9%	8.6%	72	10.7%	13.7%
Vanpool	56	1.8%	2.6%	14	2.1%	3.9%
Motorcycle - 1	23	0.7%	1.0%	10	1.5%	1.5%
Motorcycle - 2	2	0.1%	0.2%	1	0.1%	0.4%
Bus	16	0.5%	0.4%	5	0.7%	1.0%
Rail	0	0.0%	0.1%	0	0.0%	0.1%
Bike	33	1.0%	1.5%	11	1.6%	2.6%
Walk	22	0.7%	0.2%	4	0.6%	0.4%
Telework	32	1.0%	0.8%	22	3.3%	2.6%
CWW	68	2.1%	1.3%	34	5.1%	3.3%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	46	1.4%	1.3%	14	2.1%	2.5%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,567	84.1%	82.5%	570	88.9%	88.7%
Carpool	220	7.2%	8.5%	71	11.1%	13.7%
Vanpool	56	1.8%	2.8%	14	2.2%	4.1%
Motorcycle - 1	23	0.8%	1.1%	10	1.6%	1.6%
Motorcycle - 2	2	0.1%	0.2%	1	0.2%	0.3%
Bus	16	0.5%	0.4%	5	0.8%	1.0%
Rail	0	0.0%	0.1%	0	0.0%	0.1%
Bike	33	1.1%	1.6%	11	1.7%	2.8%
Walk	22	0.7%	0.2%	4	0.6%	0.4%
Telework	31	1.0%	0.7%	21	3.3%	2.5%
CWW	37	1.2%	0.9%	24	3.7%	2.5%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	46	1.5%	1.1%	14	2.2%	2.4%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	504	75%	671	100%
1 Days	53	8%	167	25%
2 Days	27	4%	114	17%
3 Days	15	2%	87	13%
4 Days	23	3%	72	11%
5 Days	46	7%	49	7%
6 or More Days	3	0%	3	0%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	404	68.7%	77	13.1%	3	0.5%	40	6.8%	0	0%	12	2%	9	1.5%	7	1.2%	75	12.8%
4 days a week (4/10s)	4	7.5%	38	71.7%	0	0%	2	3.8%	0	0%	0	0%	1	1.9%	0	0%	4	7.5%
3 days a week	0	0%	1	33.3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	66.7%
9 days in 2 weeks (9/80)	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	1	9.1%	4	36.4%	0	0%	0	0%	0	0%	0	0%	1	9.1%	0	0%	3	27.3%
Other	4	26.7%	3	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	20%

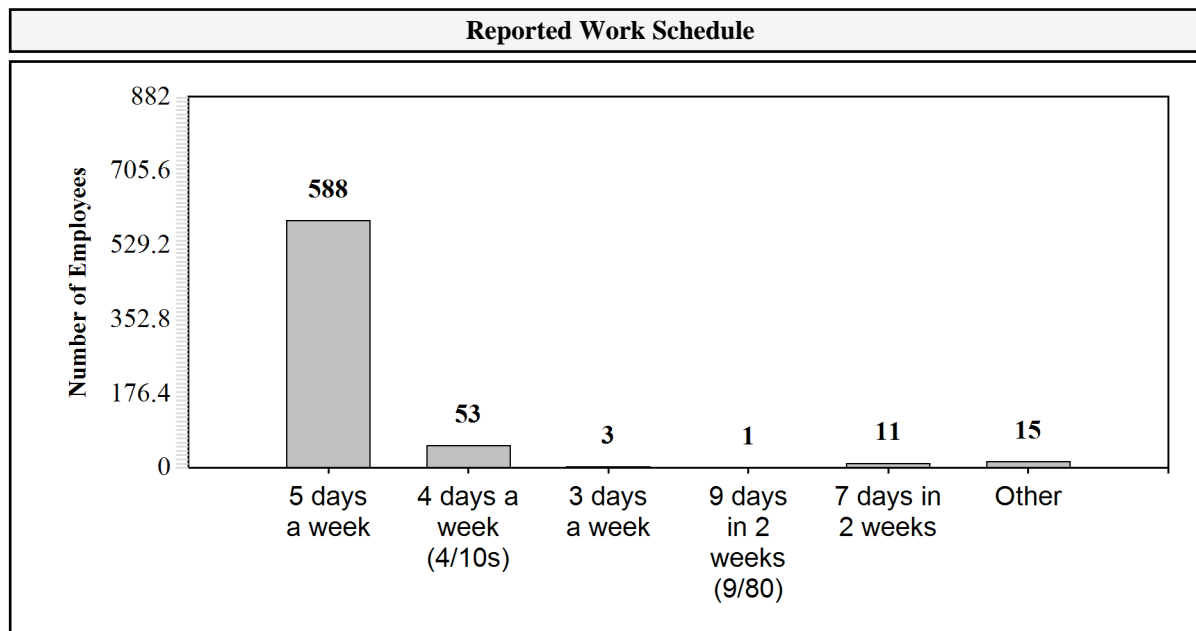
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	23
2	Motorcycle	2
2	Carpool	207
3	Carpool	14
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	7
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	4
9	Vanpool	17
10	Vanpool	5
11	Vanpool	8
12	Vanpool	10
13	Vanpool	5
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

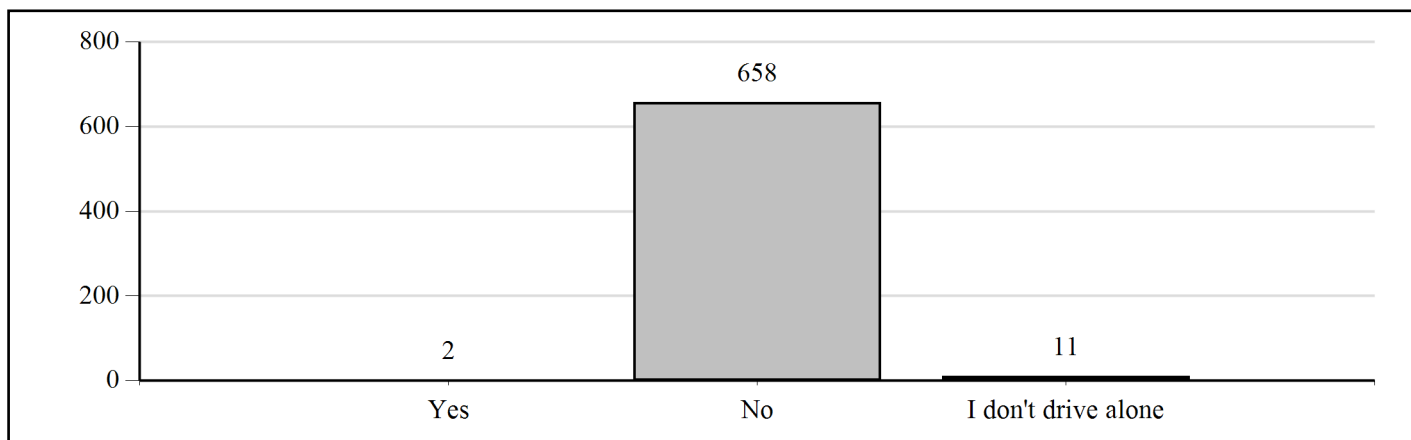
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	588	87.6%
4 days a week (4/10s)	53	7.9%
3 days a week	3	0.4%
9 days in 2 weeks (9/80)	1	0.1%
7 days in 2 weeks	11	1.6%
Other	15	2.2%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	3	0.4%
I don't telework	506	75.4%
Occasionally, on an as-needed basis	132	19.7%
1-2 days/month	20	3.0%
1 day/week	7	1.0%
2 days/week	1	0.1%
3 days/week	2	0.3%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	234	20.1%
Personal health or well-being	140	12.0%
Environmental and community benefits	132	11.3%
Other	129	11.1%
Financial incentives for carpooling, bicycling or walking.	111	9.5%
I have the option of teleworking	109	9.4%
Cost of parking or lack of parking	74	6.4%
Driving myself is not an option	71	6.1%
Preferred/reserved carpool/vanpool parking is provided	71	6.1%
Emergency ride home is provided	45	3.9%
Free or subsidized bus, train, vanpool pass or fare benefit	37	3.2%
I receive a financial incentive for giving up my parking space	11	0.9%
To save time using the HOV lane	1	0.1%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	481	29.4%
Riding the bus or train is inconvenient or takes too long	354	21.7%
Family care or similar obligations	288	17.6%
Other	171	10.5%
My job requires me to use my car for work	131	8.0%
My commute distance is too short	106	6.5%
Bicycling or walking isn't safe	74	4.5%
I need more information on alternative modes	25	1.5%
There isn't any secure or covered bicycle parking	4	0.2%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	0	0	0	0	0	0	0	6
2	2	0	0	0	0	0	0	0	0	2
3	1	0	0	0	0	0	0	0	1	3
4	1	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	7
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11 or more	0	0	0	0	0	0	0	0	0	1
# Of Employees using Transit	5	0	0	0	0	0	0	0	1	22
Total One-Way Transit Trips Per Week	12	0	0	0	0	0	0	0	3	89

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	1	0	0	0	0	0	0	0	0	6
2	2	0	0	0	0	0	0	0	0	2
3	1	0	0	0	0	0	0	0	1	2
4	1	0	0	0	0	0	0	0	0	2
5	0	0	0	0	0	0	0	0	0	6
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11 or more	0	0	0	0	0	0	0	0	0	1
# Of Employees using Transit	5	0	0	0	0	0	0	0	1	20
Total One-Way Transit Trips Per Week	12	0	0	0	0	0	0	0	3	81

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	2	0.30%	5	0	0	0	0	0	0	0	0	0	0	0	0
19333	1	0.15%	0	0	0	0	0	0	0	0	5	0	0	0	0
83801	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
83814	8	1.19%	33	2	5	0	0	0	0	0	0	0	0	0	0
83815	13	1.94%	46	5	6	0	0	0	0	0	0	0	0	0	1
83835	4	0.60%	10	0	8	0	0	0	0	0	0	1	0	0	1
83854	25	3.73%	68	14	18	0	0	0	0	0	0	15	0	0	0
83858	7	1.04%	23	0	5	0	0	0	0	0	0	2	0	0	0
99001	1	0.15%	0	0	0	0	0	0	0	0	0	0	0	0	0
99003	5	0.75%	22	0	0	0	0	0	0	0	0	0	0	0	0
99004	14	2.09%	51	10	0	1	1	0	4	0	1	0	0	0	0
99005	22	3.28%	90	10	0	0	0	0	0	0	0	1	0	0	5
99006	12	1.79%	49	11	0	0	0	0	0	0	0	0	0	0	0
99009	2	0.30%	12	0	0	0	0	0	0	0	0	0	0	0	0
99012	2	0.30%	9	0	0	0	0	0	0	0	1	0	0	0	0
99016	31	4.62%	118	16	0	0	5	0	0	0	0	0	0	0	4
99019	21	3.13%	84	13	1	0	0	0	0	0	1	1	0	0	5
99021	20	2.98%	79	12	0	0	0	0	5	0	1	1	0	0	2
99022	13	1.94%	52	0	0	0	2	0	0	0	4	0	0	0	5
99023	3	0.45%	14	0	0	0	0	0	1	0	0	0	0	0	0
99025	10	1.49%	40	0	9	0	0	0	0	0	0	0	0	0	0
99026	10	1.49%	33	6	0	2	0	0	0	0	0	1	0	0	6
99027	6	0.89%	24	1	4	0	0	0	0	0	0	3	0	0	0
99033	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
99036	2	0.30%	10	0	0	0	0	0	0	0	0	0	0	0	0
99037	18	2.68%	77	2	0	0	0	0	2	0	0	1	0	0	0



99101	2	0.30%	5	5	0	0	0	0	0	0	0	0	0	0	0
99109	2	0.30%	3	5	0	0	0	0	0	0	0	0	0	0	0
99110	2	0.30%	8	0	0	0	0	0	0	0	0	2	0	0	0
99122	1	0.15%	6	0	0	0	0	0	0	0	0	0	0	0	0
99148	1	0.15%	0	5	0	0	0	0	0	0	0	0	0	0	0
99156	1	0.15%	0	5	0	0	0	0	0	0	0	0	0	0	0
99158	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
99163	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
99181	2	0.30%	9	0	0	0	0	0	0	0	0	0	0	0	0
99201	7	1.04%	34	0	0	0	0	0	2	0	0	0	0	0	0
99202	11	1.64%	28	10	0	5	0	0	3	0	0	1	0	0	2
99203	36	5.37%	132	4	0	14	3	0	0	0	2	3	0	0	0
99204	8	1.19%	31	0	0	0	5	0	0	0	1	0	0	0	0
99205	40	5.96%	186	2	0	0	0	0	0	0	1	5	0	0	0
99206	35	5.22%	151	9	0	2	0	0	0	0	1	1	0	0	0
99207	11	1.64%	14	5	0	0	0	0	5	22	0	2	0	0	0
99208	90	13.41%	370	34	0	1	0	0	4	0	3	6	0	0	1
99212	28	4.17%	119	10	0	0	0	0	3	0	1	5	0	0	7
99213	1	0.15%	1	0	0	0	0	0	0	0	0	1	0	0	0
99216	20	2.98%	85	8	0	0	0	0	0	0	0	0	0	0	2
99217	15	2.24%	64	0	0	0	0	0	0	0	2	1	0	0	5
99218	12	1.79%	55	0	0	0	0	0	0	0	0	0	0	0	0
99223	59	8.79%	263	8	0	0	0	0	4	0	4	12	0	0	0
99224	29	4.32%	133	8	0	0	0	0	0	0	0	0	0	0	0
99228	1	0.15%	0	0	0	0	0	0	0	0	0	3	0	0	0
99353	1	0.15%	0	1	0	0	0	0	0	0	4	0	0	0	0